

## Science

Describe the changes as humans develop to old age.

Recognise the impact of diet, drugs and lifestyle on the way bodies function.

Describe the way in which nutrients and water are transported within animals including humans.

Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.

Describe the life process of reproduction in some plants and animals.

Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.

Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.

Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.

## Computing

- Use search technologies and appreciate how results are selected and ranked
- Use digital devices to combine software and present data and information
- Evaluate validity of a range of digital sources
- Robotics workshop

## Physical Education

Control a take-off and landing.

Combine a range of running, jumping and throwing techniques.

Create a fluid sequence applying learnt skills.

Compare their performances with previous ones and demonstrate improvement to achieve their personal best.

## Mathematics

### • Number and place value

- read, write, order and compare numbers up to 10 000 000 and determine the value of each digit
- round any whole number to a required degree of accuracy
- solve number and practical problems that involve all of the above

### Addition, subtraction, multiplication and division

- perform mental calculations, including with mixed operations and large numbers
- use their knowledge of the order of operations to carry out calculations involving the four operations
- solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
- solve problems involving addition, subtraction
- use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy

### Algebra

- use simple formulae
- generate and describe linear number sequences
- express missing number problems algebraically
- find pairs of numbers that satisfy an equation with two unknowns
- enumerate possibilities of combinations of two variables

## English

- Using critique and editing to improve our work – being kind helpful and specific
- Plan writing by noting and developing ideas
- Selecting appropriate grammar and vocabulary

*Text types: Persuasive leaflet, poetry, narrative story writing, non-fiction and instructional writing*  
*We will be discussing themes and conventions across a wide range of writing, including debating and persuasive language.*

## What makes us and our community marvellous? Year 5/6

## Humanities / Geography / History

Focus on local geography around our school

Fieldwork skills and land use, particularly in rural areas

Arctic and Antarctic Circle, and time zones (including day and night).

Describe how countries and geographical regions are interconnected and interdependent.

Describe geographical diversity across the world.

Identify and describe how the physical features affect the human activity within a location.

Climate zones, biomes and vegetation belts,

Use a range of geographical resources to give detailed descriptions and opinions of the characteristic features of a location.

## The Arts / Music / Languages

Improve mastery of art and design techniques – Cubist sculpture.

Experiment with line, tone and shade. Half self-portrait.

Follow the structure of units from our music scheme, 'Music Express'.

Engage in conversations

Present ideas and information orally to a range of audiences

Describe people, places, things and actions orally.

## PHSE / RE

Understand the impact of disease in the wider world.

Know how to prevent the spread of diseases and viruses.

Know how legal and illegal substances affect the body and make informed choices.

Recognise ways in which an individual's circumstances and experiences can shape their views and perspectives.

Understands the differences and similarities between people which arise from a number of factors, including family, cultural, ethnic, racial and religious diversity, age, sex, gender identity, sexual orientation, and disability (see 'protected characteristics' in the Equality Act 2010)

How and why do some people inspire others? Examples from religions

Values: What matters most to Humanists and Christians?